IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 2, 8, 15 and 17, and AMEND claims 1, 3, 5, 7 and 16 in accordance with the following:

1. (Currently Amended) A method of correcting a tilt in a disc drive, the method comprising:

detecting a tilt of a disc loaded in the disc drive;

searching a memory in the disc drive for a tilt angle for a recording or reproducing sector of the disc in which the tilt is detected;

calculating a tilt angle for the recording or reproducing sector based on the detected tilt of the disc if no tilt angle is found in the memory;

correcting the tilt of the disc; and

storing the calculated tilt angle in the memory so that the calculated tilt angle is used for the recording or reproducing sector,

wherein if a tilt angle is found in the memory, the tilt of the disc is corrected using the found tilt angle, and if the tilt angle is not found in the memory, the tilt of the disc is corrected using the calculated tilt angle, and

the recording or reproducing sector of the disc is based on information on the position of a pickup based on the number of pulses for driving a motor for controlling movement of the pickup in the disc drive.

2. (Cancelled)

3. (Currently Amended) An apparatus for correcting a tilt of a disc placed in a disc drive, the apparatus comprising:

a pickup that radiates light onto the disc;

a tilt detector that detects a tilt of the disc using the pickup;

a motor that drives the pickup to correct the tilt of the disc;

a memory that stores a tilt angle for each of the plurality of recording and reproducing sectors of the disc; and

a controller that, if the tilt of the disc is detected, searches the memory for the tilt angle for the recording or reproducing sector of the disc wherein the pickup is currently positioned, and controls driving of the motor using the searched tilt angle,

wherein the memory stores a position information for each of the plurality of recording and reproducing sectors of the disc expressed as a number of pulses necessary to drive a stepping motor of the disc drive.

4. (Original) The apparatus of claim 3, wherein if the tilt angle is not found in the memory, the controller calculates the tilt angle for the recording or reproducing sector of the disc wherein the pickup is currently positioned based on the tilt of the disc, corrects the tilt of the disc using the calculated tilt angle, and stores the calculated tilt angle in the memory.

5. (Currently Amended) An apparatus for correcting a tilt of a disc placed in a disc drive, the apparatus comprising:

a pickup that radiates light onto the disc;

a pickup moving unit that moves the pickup in a radial direction of the disc;

a tilt detector that detects the tilt of the disc using the pickup;

a first motor that drives the pickup to correct the tilt of the disc;

a memory that stores a tilt angle for each recording or reproducing sector of the disc based on the position information of the pickup and the position information of the pickup; and

a controller that detects the position information of the pickup based on the number of pulses for driving a second motor in the pickup moving unit and stores the position information in the memory, and if the tilt of the disc is detected by the tilt detector, searches the memory for a tilt angle for a sector of the disc from which the tilt is detected and controls driving of the first motor using the searched tilt angle,

wherein the memory stores a position information for each of the plurality of recording and reproducing sectors of the disc expressed as a number of pulses necessary to drive a stepping motor of the disc drive.

6. (Original) The apparatus of claim 5, wherein if the tilt angle is not found in the memory, the controller calculates a tilt angle for the sector of the disc from which the tilt is detected, corrects the tilt of the disc, and stores the calculated tilt angle in the memory.

7. (Currently Amended) A computer readable medium encoded with processing instructions for implementing a method of correcting a tilt in a disc drive, the method comprising:

detecting a tilt of a disc loaded in the disc drive;

searching a memory in the disc drive for a tilt angle for a recording or reproducing sector of the disc in which the tilt is detected;

calculating a tilt angle for the recording or reproducing sector based on the detected tilt of the disc if no tilt angle is found in the memory;

correcting the tilt of the disc; and

storing the calculated tilt angle in the memory so that the calculated tilt angle is used for the recording or reproducing sector,

wherein if the tilt angle is found in the memory, the tilt of the disc is corrected using the found tilt angle, and if the tilt angle is not found in the memory, the tilt of the disc is corrected using the calculated tilt angle,

wherein the recording or reproducing sector of the disc is based on information on the position of a pickup based on the number of pulses for driving a motor for controlling movement of the pickup in the disc drive.

8-15. (Cancelled)

16. (Currently Amended) A method of correcting a tilt in a disc drive, the method comprising:

storing a tilt angle for a recording or reproducing sectors of a disc loaded in the disc drive;

searching a memory in the disc drive for a tilt angle for a recoding or reproducing sector of the disc in which a tilt is detected, if the tilt of the disc is detected; and

correcting the tilt of the disc using the tilt angle found from the memory,

wherein the recording or reproducing sector of the disc is based on information on the position of a pickup based on the number of pulses for driving a motor for controlling movement of the pickup in the disc drive.

17. (Cancelled)